

Weld County, Colorado, Northern Part

22—Cushman fine sandy loam, 6 to 9 percent slopes

Map Unit Setting

Elevation: 4,500 to 5,500 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 45 to 46 degrees F
Frost-free period: 130 to 150 days

Map Unit Composition

Cushman and similar soils: 80 percent
Minor components: 20 percent

Description of Cushman

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy residuum weathered from sandstone and shale

Properties and qualities

Slope: 6 to 9 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: Low (about 5.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 6 inches: Fine sandy loam
6 to 10 inches: Fine sandy loam
10 to 21 inches: Clay loam
21 to 29 inches: Clay loam
29 to 32 inches: Weathered bedrock

Minor Components

Reno Hill

Percent of map unit: 10 percent

Midway

Percent of map unit: 5 percent

Shingle

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013